

Spalding
Urban District Council

REPORT

of the

Medical Officer of Health

to the

Spalding Urban District

for the

Year 1947

Public Health Officers of the
Spalding Urban District Council

Medical Officer of Health—
J. R. MUNRO, M.D.

Public Health Officer—
L. A. GORNALL, F.I.A.S.S., M.R.S.I.

Sanitary Inspector—
F. LUKER, M.S.I.A.

REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1947.

To the Chairman and Councillors of the Spalding Urban District.

I beg to hand you my Report for 1947.

Area in Acres	7,825
Resident Population	13,450
Number of Inhabited Houses (end of 1947)	4,179
Rateable Value	£71,771
Product of Penny Rate	£282 18 9

VITAL STATISTICS.

Live Births.

	M.	F.	Total
	150	138	288
Legitimate	141	133	274
Illegitimate	9	5	14

Birth Rate per 1,000 Population 21.4

Birth Rate for England and Wales 20.5

Still Births.

	M.	F.	Total
Legitimate	5	4	9
Illegitimate	0	0	0

Deaths of Infants under One Year of Age.

	M.	F.	Total
Legitimate	6	3	9
Illegitimate	1	0	1

Death Rate per 1,000 Live Births 34.7

Deaths.

	Males	Females	Total
	96	66	162
Death Rate per 1,000 Population	12.04		
Death Rate for England and Wales	12.0		
Deaths from Cancer (all ages)	19		
Deaths from Diarrhoea (under 2 years of age)	2		

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1. Medical Officer of Health (part time), J. R. Munro, M.D.
2. Public Health Officer,
L. A. Gornall, F.I.A.S., M.R.S.I.
3. Meat Inspector, F. Luker, M.S.I.A.

Staff. Mr. A. J. Firth, Assistant Sanitary Inspector.

Closet Accommodation. During the year 13 vault closets have been converted to the water carriage system and also the following drainage work carried out :—

Premises connected to the Public Sewer	43
Cesspools abolished	1
W.C. connected to Cesspools (outside sewered area)	5

Public Cleansing. Collection of House Refuse is carried out on modern lines by mechanical low loading vehicles, and disposal is by means of Front Feed Refuse Destructor.

The salvage of materials required by industry is carried out energetically and the sale of such salvaged material realised £1,359 7s. 5d. for the year.

Eradication of Bed Bugs. During the year cases of infestation have been dealt with. Treatment with “ Zaldecide ” and “ D.D.T. ” has produced satisfactory results.

HOUSING STATISTICS.

1. Inspection of Houses during the year.

1. (a) Total number of houses inspected for defects
(under Public Health or Housing Acts) ... 43
- (b) Number of inspections made for the purpose 105
2. (a) Number of dwelling houses (included under
sub-head 1 above) which were inspected and
recorded under the Housing Consolidation
Regulations, 1925 Nil
- (b) Number of inspections made for this purpose Nil
3. Number of dwelling houses so dangerous or
injurious as to be unfit for human habitation ... Nil
4. Number of dwelling houses not in all respects
reasonably fit for human habitation (exclusive
of those referred to under the preceding
sub-heading) 21

2. Remedy of Defects during the year without Service of Formal Notice.

Number of dwellings rendered fit in consequence of informal action by the Local Authority or their Officers	3
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3. Action under Statutory Powers During the Year.

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.

1. Number of dwelling houses in respect of which notices were served requiring repairs	Nil
2. Number of houses which were rendered fit after service of such notices	Nil

B. Proceedings under Public Health Act.

1. Number of dwelling houses in respect of which notice has been served requiring defects to be remedied ...	1
2. Number of dwelling houses in which defects were remedied after service of formal notice :	
(a) By Owners	1
(b) By Local Authority	Nil

C. Proceedings under Sections 11 and 13 of the Housing Act, 1936.

1. Number of dwellings houses in respect of which Demolition Orders were made	Nil
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D. Proceedings under Section 12 of the Housing Act, 1936.

1. Number of separate tenements or underground rooms in respect of which closing orders were made	Nil
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HOUSING ACT, 1936, PART IV (Overcrowding).

Everything possible has been done during the year to relieve overcrowding, but as the solution is governed by the supply of additional houses, very little could be done. Preference has been given to cases of overcrowding in the letting of new houses.

Number of cases of overcrowding relieved during the year	40
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Number of persons concerned in such cases	152
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Dwelling houses which have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	3
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Swimming Pool.

The Pool was again used by the Local Swimming Pool Committee who encouraged participation by the younger generation. Regular Bacteriological Analyses were made some of which were not very satisfactory, due to the difficulty experienced in proper chlorination. This matter has since been dealt with and it is confidently anticipated that the previous defects will be remedied.

SECTION E.

(a) Milk Supply.

Inspection of Cowsheds has been carried out during the year.

(b) Inspection of Foodstuffs.

During the year the undermentioned foodstuffs have been examined and condemned as unfit for human consumption :—

Orange Juice	1 tin	Sugar	2 lbs.
Meat	7 tins	Pate de foisgras	1 tin
Salmon	31 tins	Macaroni	2 tins
Beans	251 tins	Meat and Vegetable	10 tins
Peas	75 tins	Cray Fish	1 tin
Jam	48 tins	Chocolate Almonds	44 lbs
Condensed Milk	87 tins	Mixed Vegetables	1 tin
Plums	67 tins	Mixed Fruit	5 tins
Evap. Milk	341 tins	Mackerel	1 tin
Peaches	12 tins	Spinach	6 tins
Snoek	4 tins	Biscuits	13 $\frac{3}{4}$ lbs.
Pears	20 tins	Corned Beef	1 tin
Apricots	16 tins	Bacon	10 lbs.
Steak	58 tins	Steak Pudding	1 tin
Sausage	6 tins	Smoked Fillet	3 st.
Crab	1 tin	Steak	2 tins
Brislings	1 tin	Dried Egg	1 tin
Tomato	39 tins	Sardines	2 tins
Beet Root	36 tins	Spam	1 tin
Carrots	52 tins	Cheese	5 lbs.
Lamb Stew	7 tins	Herrings	1 Box
Grapefruit	10 tins	Dried Milk	24 tins
Butter	4 $\frac{1}{2}$ lbs.	Irish Stew	1 tin
Toffee	197 lbs.	Soup	7 tins
Pilchards	12 tins	Whiting	1 tin
Tongue	4 tins	Barley Flakes	19 lbs.
Lemoncurd	1 tin	Potatoes	13 $\frac{5}{8}$ cwts.
Syrup	1 tin	Chopped Ham	24 ozs.
Mince Meat	1 Jar	Shell Eggs (No.)	10
Soft Roes	98 lbs.	Coriander	6 $\frac{1}{2}$ lbs.
Pickles	7 tins	Luncheon Meat	6 $\frac{3}{4}$ lbs.
Veal Loaf	2 tins	Meat Broth	2 tins
Tea	4 lbs.		

SCABIES ORDER, 1941.

The treatment of Scabies and Verminous Heads has continued during the year at the two centres in Spalding.

The number of treatments given is shown hereunder :

No. of cases from Spalding Urban Area	40
No. of cases from Spalding Rural Area	19
No. of cases from East Elloe Rural Area	17
Total number of treatments given	117

TABLE OF NOTIFIABLE DISEASES DURING THE YEAR.

	Total Notified	Cases sent to Hospital	Total Deaths
Scarlet Fever	3	2	—
Whooping Cough	47	—	—
Diphtheria	—	—	—
Erysipelas	4	1	—
Measles	310	—	—
Ophthalmia Neonatorum ...	1	—	—
Puerperal Pyrexia	2	1	—
Pneumonia	21	—	6
Dysentry (Clinical)	—	—	—
Acute Poliomyelitis	3	—	—

DIPHThERIA PROPhYLAXIS.

During the year 1947, 316 children were immunised.

Over 5 and under 15 years of age 80

Under 5 years of age 236

I have included in Appendices

Tuberculosis Tables Appendix A.

Causes of Death Appendix B.

Report on Water Supply Appendix C.

Meat Inspector's Report Appendix D.

I am, Gentlemen,

Your Obedient Servant,

J. R. MUNRO.

APPENDIX A. TUBERCULOSIS.

Analysis of New Cases and Deaths from Tuberculosis.

Age Periods.	NEW CASES.				DEATHS.			
	Respira- tory.		Non-Respira- tory.		Respira- tory.		Non-Respira- tory.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1
„ 5
„ 15
„ 25	...	2	..	..	..	3	...	...
„ 35	2	...	..	..	1	..	...	...
„ 45	...	1	..	..	..	..	...	...
„ 55	1	..	...	...
„ 65
„ 80	1	..	...	...

Totals ...	2	3	—	—	3	3	—	—

APPENDIX B.

CAUSES OF DEATH DURING THE YEAR, 1947.

Cause of Death	Male	Female
All causes	96	66
Measles	0	0
Diarrhoea, under 2 years of age ...	2	0
Cerebro Spinal Fever	1	0
Influenza	1	0
Whooping Cough	0	1
Tuberculosis of Respiratory System	1	4
Other Forms of Tuberculosis	0	0
Syphilitic Diseases	0	0
Cancer of Mouth, Oesophagus and Uterus	2	1
Cancer of Stomach and Duedenum	3	2
Cancer of Breast	0	0
Cancer of other sites	8	3
Diabetes	1	0
Intracranial Vascular Lesions ...	9	6
Heart Disease	28	15
Other Disease of Circulatory System	9	4
Bronchitis	5	1
Pneumonia	3	3
Other Respiratory Diseases	0	0
Ulcer of the Stomach	0	0
Appendicitis	1	0
Other Digestive Diseases	0	1
Nephritis	3	1
Puerperal Sepsis	0	0
Other Maternal Causes	0	0
Premature Births	2	0
Congenital Deformity	1	2
Suicide	1	1
Other Violent Causes	0	1
Road Traffic Accident	2	1
All Other Causes	13	19

APPENDIX C.

SPALDING URBAN DISTRICT COUNCIL.

WATERWORKS DEPARTMENT.

Water Supply.

An uninterrupted supply of water was maintained throughout the area during the year. The total quantity of water supplied to the Spalding U.D.C. Area was 348,330,000 gallons of which 152,971,000 gallons was on metered supplies and 185,359,000 gallons on domestic and other unmeasured supplies.

The average consumption per head per day on domestic and unmeasured supplies was 31.7 gallons.

In addition to the water supplied to the Spalding U.D.C. Area a total quantity of 352,970,000 gallons was supplied in bulk to neighbouring authorities.

69 new services and 1,946 yards of 3" and 6" distribution main were laid during the year.

The water from all three bores at Bourne continues to be of the highest standard of chemical and bacteriological purity but a nominal dose of chlorine is added to the water by the chlorimine process as a precautionary measure.

A recent typical analysis of the water is attached hereto.

P. A. LAMONT,
M.A., A.M.I.C.E., M.I.W.E.,
Engineer & Manager.

Water Engineer's Office,
Spalding.
7.10.48.

**SPALDING URBAN DISTRICT COUNCIL.
WATERWORKS DEPARTMENT.**

COPY OF CERTIFICATE OF WATER ANALYSIS.

Samples collected on August 17th, 1948, and sent for Analysis
to the Counties Public Health Laboratories, Victoria Street,
London.

Chemical Results in Parts Per Million.	No. 1 Bourne	No 2 Pumping Station	No. 3 Spalding
	36" Bore	13" Bore	Tap Water
CHEMICAL ANALYSIS			
Appearance	Clear & bright	Bright with very few particles of mineral debris.	Clear & bright
Turbidity	Nil	Less than 5	Nil
Colour	Nil	Nil	Nil
Odour	Nil	Nil	Nil
Reaction p.H	7.2	7.1	7.2
Electric Conductivity at 20°C.	590	620	620
Total Solids at 180°C.	395	415	415
Hardness—Total	305	340	340
Hardness—Temporary	235	225	230
Hardness—Permanent	70	115	110
Free CO ²	21	26	21
Alkalinity as CaCO ³	235	225	230
Chlorine in Chlorides	19	19	19
Nitrogen in Nitrates	0.0	0.0	0.0
Nitrogen in Nitrites	Less than 0.01	Less than 0.01	Less than 0.01
Free Ammonia	0.056	0.010	0.026
Albuminoid Ammonia	0.014	0.020	0.018
Oxygen absorbed in 4 hours ...	0.25	0.25	0.25
Residual Chlorine	Absent	Absent	Absent
Metals—Iron	0.06	Absent	Absent
Metals—Zinc	Absent	Absent	Absent
Metals—Others	Absent	Absent	Absent
BACTERIOLOGICAL RESULTS			
Colonies per ml. on Agar			
1 day at 37°C.	Nil	Nil	1.0
2 days at 37°C.	Nil	Nil	7.0
3 days at 20°C.	Nil	Nil	20.0
Presumptive Coliform Reaction			
Present in . . . ml.	—	—	—
Absent in . . . ml.	100	100	100
Bact. coli.			
Present in . . . ml.	—	—	—
Absent in . . . ml.	100	100	100
Cl. welchii Reaction			
Present in . . . ml.	—	—	—
Absent in . . . ml.	100	100	100

REMARKS.

No 1—This sample is clear and bright in appearance, neutral in reaction and free from metals apart from a negligible trace of iron. The water is very hard in character though not excessively so and it contains no excess of salinity or mineral constituents in solution. It is of very satisfactory organic quality and of the highest standard of bacterial purity.

These results are consistent with a pure and wholesome water suitable for public supply purposes.

No. 2—This sample is practically clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is very hard in character though not excessively so and it contains no excess of salinity or mineral constituents in solution. It is of very satisfactory organic quality and of the highest standard of bacterial purity.

Apart from the objection that the hardness tends to be high, these results are consistent with a pure and wholesome water suitable for public supply purposes.

No. 3—This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is very hard in character but not excessively so and it contains no excess of salinity and mineral constituents in solution. It is of very satisfactory organic quality and of the highest standard of bacterial purity.

These results are consistent with a pure and wholesome water suitable for drinking domestic purposes.

APPENDIX D.

SPALDING URBAN DISTRICT COUNCIL.

MEAT INSPECTOR'S ANNUAL REPORT FOR THE YEAR, 1947.

During the year under review, all home killed meat distributed in the Spalding Urban District has been inspected, animals showing any evidence of disease have been examined in detail and the necessary action taken to safeguard the public health. In order to facilitate the operation of the meat distribution scheme, the Ministry of Food officials have again taken advantage of the fact that the meat inspection work is under one inspector and extended their scheme of centralised slaughtering so that practically all the slaughtering previously carried out at the New Bond Street premises is now done at Mill Green. The numbers of animals inspected and weight of condemnations given below are, therefore, applicable to the whole of the area covered by the East Elloe, Spalding Rural and the Spalding Urban Districts. The total condemnations are considerably less than last year due to the reduction in the number of animals slaughtered.

1,954 cattle, 5,875 sheep, 215 pigs and 266 calves have been slaughtered and the following amount of meat and offals having an approximate weight of 22 tons 1 cwt. has been condemned as unfit for human consumption and disposed of for other purposes under the Ministry of Food Waste Utilisation Scheme.

Article Examined.	Disease or Condition Found.
20 Carcases Beef and Offals	Generalised Tuberculosis.
6 Carcases Beef and Offals	Pathological Emaciation & Dropsy.
5 Carcases Beef and Offals	Generalised Dropsy; peritonitis.
4 Carcases Beef and Offals	Septic Pneumonia.
2 Carcases Beef and Offals	Generalised Dropsy.
1 Carcase Beef and Offals	Emaciation; uraemia.
1 Carcase Beef and Offals	Septic Peritonitis.
1 Carcase Beef and Offals	Tuberculosis with emaciation.
1 Carcase Beef and Offals	Septic Pericarditis & Dropsy.
1 Carcase Beef and Offals	Pyæmia; generalised dropsy.
1 Carcase Beef and Offals	Oedematous; badly bled.
1 Carcase Beef and Offals	Tainted; large purulent growth.
1 Carcase Beef and Offals	Unwholesome; animal found dead on the farm.
1 Carcase Beef and Offals	Unwholesome & Dropsical; animal moribund.
14 Cow Carcases and Offals	Generalised Tuberculosis.
2 Cow Carcases and Offals	Tuberculous Emaciation.
2 Cow Carcases and Offals	Pathological Emaciation & Dropsy.
1 Cow Carcase and Offals	Septic Peritonitis & Dropsy.
1 Cow Carcase and Offals	Septic Mastitis & Dropsy.
1 Cow Carcase and Offals	Traumatic Pericarditis.
1 Cow Carcase and Offals	Unwholesome; emaciated.
1 Cow Carcase and Offals	Generalised Dropsy; injuries.

Article Examined.	Disease or Condition Found.
1 Cow Carcase and Offals	Septic Metritis.
5 Calf Carcases and Offals	Immaturity.
2 Calf Carcases and Offals	Generalised Tuberculosis.
1 Calf Carcase & Offals	Congenital Tuberculosis.
1 Calf Carcase & Offals	Pyaemia.
1 Calf Carcase & Offals	Generalised Dropsy.
1 Calf Carcase & Offals	Putrefaction.
5 Sheep Carcases and Offals ...	Emaciation and Dropsy.
1 Sheep Carcase and Offals ...	Generalised Dropsy.
1 Sheep Carcase and Offals ...	Multiple Tumours; dropsy.
1 Lamb Carcase and Offals	Caseous Lymphadenitis.
1 Lamb Carcase and Offals	Putrefaction.
6 Pig Carcases and Offals	Rickets with Malnutrition.
4 Pig Carcases and Offals	Unwholesome & Dropsical.
3 Pig Carcases and Offals	Dropsy; evidence of Swine Fever.
2 Pig Carcases and Offals	Pneumonia; dropsy.
3 Pig Carcases and Offals	Acute Swine Erysipelas.
2 Pig Carcases and Offals	Extensive Bruising; dropsy.
2 Pig Carcases and Offals	Unwholesome; moribund.
2 Pig Carcases and Offals	Jaundice.
2 Pig Carcases and Offals	Putrefaction.
1 Pig Carcase and Offals	Multiple Tumours; dropsy.
1 Pig Carcase and Offals	Rickets, Pleurisy & Dropsy.
1 Pig Carcase and Offals	Swine Erysipelas; dropsy.
1 Pig Carcase and Offals	Generalised Dropsy; acute fever.
1 Pig Carcase and Offals	Generalised Dropsy; infection of penis.
1 Pig Carcase and Offals	Generalised Tuberculosis.
1 Sow Carcase and Offals	Unwholesome; emaciated.
1 Sow Carcase and Offals	Unwholesome; dropsical.
13 Part Carcases Beef	Tuberculosis.
8 Part Carcases Beef	Injuries.
5 Part Carcases Beef	Fractures.
4 Part Carcases Beef	Large Growths.
3 Part Carcases Beef	Putrefaction.
1 Part Carcase Beef & Organs ...	Septic Lesion in abdomen.
2 Part Carcases Beef	Localised Dropsy.
1 Part Carcase Beef	Actinomycosis.
1 Part Carcase Beef	Peritonitis.
967 lbs. Frozen Beef	Bone-taint; putrefaction.
972 lbs. Beef Trimmings	Bruised Flesh.
116 lbs. Beef Trimmings	Affected by Warble Fly Maggots.
45 lbs. Beef Trimmings	Localised Dropsy.
20 lbs. Beef Trimmings	Septic Abscesses.
16 lbs. Beef Trimmings	Contaminated on floor.
11 lbs. Beef Trimmings	Peritonitis.
10 lbs. Beef Trimmings	Actinomycosis.
8 lbs. Beef Trimmings	Tuberculosis.
2 Part Sheep Carcases	Putrefaction.
27 lbs. Mutton Trimmings	Bruised Flesh.
13 lbs. Mutton Trimmings	Localised Dropsy.
6 Part Pig Carcases	Fractures.
2 Part Pig Carcases	Localised Dropsy.
2 Part Pig Carcases	Septic Abscesses.
98 lbs. Pork Trimmings	Bruised Flesh.
45 lbs. Pork Trimmings	Erysipelas.
14 lbs. Pork Trimmings	Septic Infection of Vertebrae.
11 lbs. Pork Trimmings	Abscesses.
2 lbs. Pork Trimmings	Urticaria.
11 Pigs Feet and Hocks	Enlarged, Purulent Joints.
106 Beasts Heads & Tongues	Tuberculosis.
38 Beasts Heads & Tongues	Actinomycosis.
1 Beasts Heart	Pericarditis.
1 Beasts Heart	Tuberculosis.

Article Examined.	Disease or Condition Found.
271 Beasts Lungs	Tuberculosis.
10 Beasts Lungs	Pneumonia.
4 Beasts Lungs	Echinococcus Cysts.
1 Beasts Lung	Pulmonary Distoma.
1 Beasts Lung	Septic Abscesses.
1 Beasts Lung	Emphysema.
11 Beasts Thick Skirts	Tuberculosis.
1 Beasts Thin Skirt	Oedema.
1 Beasts Thin Skirt	Affected by Abscess of Liver.
400 Beasts Livers	Distomatosis (Liver Flukes).
88 Beasts Livers	Septic Abscesses
47 Beasts Livers	Tuberculosis.
33 Beasts Livers	Cavernous Angioma.
5 Beasts Livers	Cirrhosis.
2 Beasts Livers	Fatty Infiltration.
2 Beasts Livers	Necrosis.
1 Beasts Liver	Echinococcus Cysts.
123 Part Beasts Livers	Distomatosis.
2 Part Beasts Livers	Septic Abscesses.
22 Beasts Kidneys	Nephritis.
13 Beasts Kidneys	Tuberculosis.
8 Beasts Intestines & Mesentery	Tuberculosis.
1 Beasts Intestines & Mesentery	Peritonitis.
1 Beasts Intestines & Mesentery	Johnes Disease.
2 Beasts Stomachs	Tuberculosis.
1 Beasts Stomach	Peritonitis.
20 Beasts Thin Skirts & Trimming	Tuberculosis.
9 Beasts Thin Skirts & Trimming	Peritonitis.
5 Beasts Thin Skirts & Trimming	Pleurisy.
2 Beasts Thin Skirts & Trimming	Septic Abscesses.
53 Cows Udders	Mastitis.
9 Cows Udders	Putrefaction.
4 Cows Udders	Tuberculosis.
1 Cows Udder	Septic Abscesses.
30 Sheeps Lungs	Parasitic Infection.
101 Sheeps Livers	Distomatosis (Flukes).
13 Sheeps Livers	Parasitic Infection.
5 Sheeps Livers	Echinococcus Cysts.
1 Sheep Mesentery	Putrefaction.
3 Pigs Heads & Tongues	Tuberculosis.
1 Pigs Head & Tongue	Tumour.
1 Pigs Heart	Pleurisy.
16 Pigs Lungs	Pneumonia.
3 Pigs Lungs	Pleurisy.
3 Pigs Livers	Cirrhosis.
2 Pigs Plucks	Pneumonia.
1 Pigs Pluck	Tuberculosis.
3 Pigs Kidneys	Nephritis.
4 Pigs Intestines & Mesentery ...	Inflammation.
1 Pigs Intestines & Mesentery ...	Parasitic Infection.
2 Pigs Mesenteric Fats	Tuberculosis.
1 Pigs Large Intestines	Putrefaction.
1 Pigs Caul Fat	Peritonitis.
1 Pigs Spleen & Omentum	Badly Blown & Unwholesome.

Other Foodstuffs condemned were:

472 lbs. Corned Beef	} Blown & Damaged Cans. Contents Putrefying.
54 lbs. Corned Mutton	

Out of the 1,954 cattle, 34 (1.74%) were found to be affected with Generalised Tuberculosis and 271 (13.86%) were found to be affected with Tuberculosis of the lungs.

Examination of the 215 pigs revealed only 1 (0.46%) suffering from Generalised Tuberculosis and out of the 5,875 sheep only 1 carcase was condemned for Bacterial Infection.

In the 266 calves, 3 (1.12%) were found to be affected with Generalised Tuberculosis.

Yours obediently,

F. LUKER,

Meat Inspector.

